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# SCIENCE TRENDS

HIGHLIGHTS

SPECIAL DIRECTORY ISSUE

MISSILE GSE CONTACTS

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SPECIAL DIRECTORY ISSUE

Missile Ground Support Equipment Contacts

Here is a revised and expanded version of the special directory of missile ground support contacts, based upon official information from the Office of the Director of Defense Research and Engineering. This directory replaces the original editions supplied to subscribers in February and May, 1960.

How to Use: This directory is a guide to responsible civilian and military officials in the Defense Department and military services available for inquiry and consultation on future ground support planning and requirements, particularly in the field of research and development.

Army -- Ordnance Corps

Subject	Contact
<u>Vehicles and vehicle components</u>	Ordnance Tank-Automotive Command (OTAC) Research and Engineering Directorate Detroit Arsenal Centerline, Michigan Telephone: JEFFERSON 6-5000 Col. R. H. White, Jr., Director Research and Engineering, OTAC Ext. 28118 or 25130 Mr. P. R. Van Thielen Chief Development Engineer Ext. 29126 or 25129 Mr. William K. Wittig, Chief Guided Missile Support Branch Ext. 31252 or 29254 Mr. Carl F. Rauhen, Ext. 20138
Axles and differentials Bearings--ball and roller steering devices	Mr. M. P. Whalley, Jr., Ext. 33141 Mr. Lewis Elzey, Ext. 23151
Bodies--truck and trailer, general- and special-purpose	Mr. Andrew Kalls, Ext. 25207
Brakes and brake systems	
Cooling systems, including radiators, thermostats and hose	
Hydraulic systems	

Subject	Contact
<u>Army -- Ordnance Corps (Continued)</u>	
Electrical systems, automotive Engines	Mr. Robert F. Zuege, Ext. 28245 Mr. Addo Giovannini, Ext. 31116
Automotive cooling systems, including radiators, thermostats and hose	
Land locomotion mechanics	Mr. M. G. Bekker, Ext. 28155
Suspensions	Mr. P. H. Van Cauwenberg, Ext. 26215
Tires, tubes, wheels and rims	Mr. C. E. Robertson, Jr., Ext. 31242
Trailers, semitrailers, dollies, trucks and tracked vehicles	Mr. William K. Wittig, Ext. 31252 or 29254
Transmissions	Mr. M. P. Whalley, Jr., Ext. 33141
<hr/> Ordnance Missile Command Redstone Arsenal Huntsville, Alabama Telephone: JEfferson 6-4411 Army Ballistic Missile Agency (ABMA) R&D Operations <hr/>	
<u>Systems Design and Development Laboratory</u>	Mr. Lewis L. Gober, Director Ext. 37181 or 66180
Associate Directorate for Ground Equipment Design Support	Mr. Harold H. Stevenson, Associate Director, Ext. 37181 or 66537
Electrical GSE Design Branch	Mr. W. W. Newman, Jr., Chief Ext. 37181 or 66540
Mechanical GSE Design Branch	Mr. Earl Ricks, Chief Ext. 37181 or 66600
Systems Test and T&P Design Branch	Mr. John E. Williams, Chief Ext. 37181 or 66529
Training Systems Design Branch	Mr. W. K. Patterson, Chief Ext. 37181 or 66444
<hr/> Army Rocket and Guided Missile Agency (ARGMA), R&D Division <hr/>	
<u>Advanced Techniques and Components Branch</u>	Mr. John A. French, Chief, Ext. 34848
Electro Mechanical Section	Mr. L. W. Brennaman, Chief Ext. 32201
Guidance Section	Mr. R. W. Nelson, Ext. 32746
Test Equipment Section	Mr. Charles H. Ray, Ext. 32327
<hr/> Development and Proof Services Aberdeen Proving Ground Telephone: ABerdeen 1000 <hr/>	
Office of the Director	Col. G. P. Dubia, Director Ext. 31100

Subject	Contact
<u>Army -- Ordnance Corps (Continued)</u>	
Automotive Division	Mr. B. S. Goodwin, Associate Director Ext. 47284
	Mr. W. A. Gross, Jr., Chief Ext. 43289
	Mr. C. D. Montgomery, Chief Engineer Ext. 43229
Automotive Laboratory	Mr. R. W. Johnson, Chief, Ext. 41103
Combat Vehicle Branch	Mr. B. D. Sissom, Chief, Ext. 47193
Engineering Testing	Mr. H. A. Noble, Assistant Director for Engineering Testing, Ext. 44134
Transport Vehicle Branch	Mr. C. F. Waters, Chief, Ext. 41296
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<u>Launchers, launcher components and ground handling equipment</u>	Rock Island Arsenal Rock Island, Illinois Telephone: Rock Island 8-8411
	Col. C. J. Williams, Commanding Officer Ext. 21111
	Mr. Donald L. Meyers, Chief, Engineering Division, Ext. 22243
	Mr. E. T. Horn, Chief, R&D Division Ext. 26213
	Mr. A. A. Kester, Chief, Design Branch (R&D), Ext. 25134
	Mr. Carol Schneider, Chief Launcher Section (R&D), Ext. 25236
	Mr. D. L. Meyers, Chief, Engineering Division, (IND), Ext. 22243
	Mr. William Nohelty, Assistant Chief, Engineering Division (IND), Ext. 22243
Loaders and miscellaneous equip- ment, including electric blankets	Mr. Archie Roe, Chief, Equipment Section Ext. 25242
	Mr. Marion Braddock, Project Engineer (IND), Ext. 21269
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<u>Launchers and ground equipment</u>	Watertown Arsenal Watertown, Massachusetts Telephone: WA 4-8540
	Mr. Harry Ernst, Chief, Research and Development, Ext. 412
	Mr. Carl Ogren, Chief, Industrial Division, Ext. 649
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Environmental research (Code ORDOR-CS-ER)	Office of Ordnance Research Box CM, Duke Station, Durham, N. C. Telephone: DURham 82285
	Mr. Park W. Espenschade

<u>Subject</u>	<u>Contact</u>
<u>Army -- Ordnance Corps (Continued)</u>	
	Ordnance Weapons Command (OWC) Rock Island, Illinois Telephone: Rock Island 8-8411
<u>Launchers and ground equipment, including loader transporters, electric blankets and missile- handling devices</u>	Mr. Ernest A. Felsted, Chief, Launcher Development Branch, Ext. 25223
	Mr. Edwin Sigler, Deputy Chief, Launcher Development Branch Ext. 25223
	Mr. Don McNeil, Chief, Industrial Engineering Branch, Ext. 21223

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<u>Corps of Engineers</u>	
<u>Engineering and construction equip- ment</u>	Engineering Research and Development Laboratories (ERDL) Fort Belvoir, Virginia Telephone: SOuth 5-7700 EDgewater 9-5500
	Col. H. J. Skidmore, Director Ext. 7259
	Dr. George W. Howard, Technical Director, Ext. 27233
	Mr. Earl F. Cogswell, Ext. 34143
Advanced energy sources and conversion (other than nuclear) for electric power generation-- electrochemical conversion; thermoelectric and thermionic de- vices; solar wind-power generators	
Air-conditioning, heating and ventilating equipment and prefabricated buildings	Mr. Raymond Bartelmes, Ext. 7147
Cryogenic equipment, guided missile ground support--LOX generating plant, portable and nonportable; LOX containers; converters; pumps; generator, liquid carbon dioxide; and allied equipment	Mr. John R. Hoffman, Ext. 23232
High-pressure air compressors and associated equipment	
Fire-fighting equipment; trucks; trailers; pumper, nozzle, water, monitor type; nozzle assembly; foam-making allied equipment	Mr. James Malcolm, Ext. 23200
Portable engine generators-- gasoline-engine-driven; compression-ignition-engine- driven (diesel)	Mr. Donald Looft, Ext. 24240

Subject	Contact
<u>Army -- Corps of Engineers (Continued)</u>	
Portable engine generators (development)--gasoline-engine- driven; compression-ignition- engine-driven (diesel)	Mr. David Ginsberg, Ext. 34257
Surveying and geodetic equipment	Mr. M. C. Shetler, Ext. 34219
	Military Construction Engineering Protection Construction Branch Chief of Engineers Washington 25, D. C. Telephone: Washington, D. C., 202, OXford 71913
<u>Hard sites</u>	Mr. Martin D. Kirkpatrick
<u>Transportation Corps</u>	
<u>Transportation equipment</u>	U. S. Army Transportation Research Command Fort Eustis, Virginia Telephone: TRinity 7-1311 Dr. Joseph di Rende, Director of Research, Ext. 23286
Army aviation research	Mr. Larry Hewin, Ext. 6184
Land mobility, including rail	Lt. Col. S. D. Williamson, Ext. 6185
Surface transport research and development	Mr. Charles D. Roach, Ext. 23175
<u>Supply, maintenance, engineering and procurement of Transportation Corps equipment</u>	Transportation Materiel Command St. Louis, Missouri Telephone: MAIn 1-6426 Lt. Col. F. W. Gorham, Director of Engineering, Ext. 3560 or 3570 Mr. Howard Wilson, Ext. 570
<u>The Surgeon General</u>	
<u>Medical and dental equipment and supplies</u>	U. S. Army Medical Research and Development Command Main Navy Building Constitution Ave. and 18th Street, N.W. Washington 25, D. C. Telephone: Washington, D. C., 202, OXford 67427 Major Frederick M. Wells
<u>The Quartermaster General</u>	
<u>Material-handling equipment, cloth- ing and supplies</u>	Quartermaster Research and Engineering Command (QMR&EC) Quartermaster Research and Engineering Center Natick, Massachusetts Telephone: OLYmpic 3-1000



Subject	Contact
<u>Army -- The Quartermaster General (Continued)</u>	
	Lt. Col. Philip J. Rork, Commanding Officer, QMR&EC, Ext. 646
	Capt. Howard W. Gibbs, Executive Officer, QMR&EC, Ext. 552
Aerial delivery and related equipment	Mr. Harold S. Jones, Ext. 318
Air-conditioning and refrigeration equipment--self-contained units; refrigerators, portable, mobile; warehouses, insulated; liquid chillers; consulting service	Mr. Richard J. Campbell, Ext. 355
Environmental research	Dr. Walter F. Wood, Ext. 548
Flexible armor materials and personnel armor	Mr. M. I. Landsberg, Ext. 517
Foamed plastics, paper and rubber products, adhesives and paints	Dr. J. Alden Murray, Ext. 373
Fungicides and germicides; sanitary chemicals and sanitation processes	Dr. Arthur Kaplan, Ext. 604
Human factors engineering and research	Dr. Ralph Dusek, Ext. 344
Insecticides and rodenticides	Dr. John Pratt, Ext. 269
Material-handling equipment--powered and nonpowered industrial trucks; combination tractor/fork lift/ crane for rough terrain handling; straddle trucks; side-loading lift and transport trucks; pallets; gantry cranes; allied attachments for special handling; loading ramps; pneumatic dunnage	Mr. Harry S. Wilson, Ext. 456
Personnel cooling and heating	Mr. Leo Spano, Ext. 471
Personnel cooling, decontamination, field laundries and shower baths	Mr. Paul E. Whittington, Ext. 450
Petroleum-handling equipment--cans, drums, tanks, dispensing pumps, and allied equipment	Mr. Dwight F. Hastings, Ext. 203
Protective clothing for handlers of rocket fuels and oxidizers	Mr. Ted Bailey, Ext. 636 or 266
Rubber	Dr. Juan Montermoso, Ext. 431
Tents and tent-type structures, frame-type and air-supported, and allied equipment	Mr. Conway W. Weikert, Ext. 226

Subject	Contact
<u>Army -- The Quartermaster General (Continued)</u>	
<u>Preservation, packaging and packing, materials and methods</u>	Quartermaster Food and Container Institute 1819 West Pershing Road Chicago, Illinois Telephone: LAfayette 3-5500  Mr. Albert V. Grundy Ext. 4204 or 4205
<u>Signal Corps</u>	
<u>Communications equipment</u>	U. S. Army Signal Research and Development Laboratory (USASRDL) Fort Monmouth, New Jersey Telephone: LIBerty 2-4000  Col. H. McD. Brown, Commanding Officer, Ext. 51111
Batteries (primary and secondary), power supplies, converters, rectifiers, etc.	Mr. Arthur F. Daniel, Ext. 51057
Communication security	Mr. Albert P. Brogle, Ext. 51965
Communications equipment and systems	Mr. A. E. Hunt, Ext. 52641
Electron tubes; microwave; receiving tubes	Mr. K. Garoff, Ext. 61486
Electronic components and materials; electronic parts: resistors, capacitors, relays, transformers, switches and allied items	Mr. V. J. Kublin, Ext. 51834
Frequency-control devices; atomic frequency standards; quartz crystals, filters, gas cells, etc.	Dr. E. A. Gerber, Ext. 52250
Loud-speakers, audio-frequency amplifiers, microphones, etc.	Mr. Gordon W. Bartle, Ext. 51366
Meteorology; meteorological research; meteorological equipment	Mr. D. E. Deisinger, Ext. 61224
Public-address equipment; related electrical signaling devices--interphone	Mr. Henry F. Burkhart, Ext. 51241
Radio interference reduction	Mr. J. J. Egli, Ext. 51638
Shelters, transportable, to house meteorological, photographic, radio and electronic equipment	Mr. S. Morford, Ext. 52517
Solid-state devices; germanium and silicon transistors; diodes, etc.	Dr. H. Jacobs, Ext. 51016
Television in guided-missile instrumentation; missile damage assessment	Mr. J. G. Rice, Ext. 51219

Subject	Contact
Army -- Signal Corps (Continued)	
<u>Computers and data-processing equipment; digital computers and related data-transmission and peripheral equipments and crypto devices</u>	Office of the Chief Signal Officer The Pentagon Washington 25, D. C. Telephone: Washington, D. C., 202, OXford 53402

Mr. Lester H. Geiger

#### Chemical Corps

<u>Propellants: protective and servicing equipment</u>	U. S. Army Chemical Warfare Laboratories Army Chemical Center Edgewood Arsenal, Maryland Telephone: EDgewood 1000  Col. Donald E. Yanka, Commander Ext. 27120
Air-Filtration equipment for chemical, biological and radiological (CBR) protection	Mr. L. A. Jonas, Ext. 5254
Liquid-propellant-servicing equipment, design, development and component testing--transfer, storage, filtration, fume and liquid decontamination and disposal, mobile tankage and refuelers, etc.	Mr. Bruce Hildebrand, Ext. 5133
Propellants, information on health hazards	Dr. Keith H. Jacobson, Ext. 25259
Respiratory protective equipment	Mr. Allan L. West, Ext. 4282

#### Navy

Bureau of Naval Weapons  
Washington 25, D. C.  
Telephone: Washington, D. C., 202,  
OXford (plus extension)

Air-launch devices (Code RSW1-225)	Mr. R. J. Murphy, Ext. 62638 or 67602
Automotive vehicles, special types, including bomb service trucks, bomb cargo trucks, ordnance utility pickup trucks and fork lifts (Code SEEQ-34)	Mr. E. L. Doyle, Ext. 67272
Automotive vehicles, special types, including boom trucks, fork-lift trucks, side-loaders, launcher loaders, aircraft loaders, cranes, missile-handling, dockside, dollies, transfer shipboard (Code RSW1-33)	Mr. G. J. Geyer, Ext. 67007
Design of devices to rearm naval aircraft aboard ships (Code RAAV-3424)	Mr. L. X. Abernathy, Ext. 62203 or 66087
Aircraft Ground Support Division (Code FWGS)	CDR James A. Laurich, Director, Ext. 64737



Subject	Contact
<u>Navy -- Bureau of Naval Weapons (Continued)</u>	
Fleet and Training Facilities Engineering Branch, including installed test facilities and electric and electronic facilities (Code FWGS-2)	CDR W. R. Bise, Ext. 64362
Airframes Support Equipment Branch (Code FWGS-3)	CDR C. A. McGuire, Ext. 64989
Propulsion Support Equipment Branch (Code FWGS-4)	LCDR D. E. Gately, Ext. 65447
General and Standard Support Equipment Branch, including test equipment, avionics devices, servicing equipment, starting equipment, handling equipment, removal and installation, maintenance tools and acoustic equipment (Code FWGS-5)	Mr. L. Lipson, Ext. 64771
Avionics Support Equipment Branch, including avionics systems and armament and control (Code FWGS-6)	CDR N. H. Wheeler, Ext. 62329
Drones and targets support equipment, including ASW-Radar-ECM-CNI (Code FWGS-624)	LCDR R. B. Williamson, Ext. 62329
Missile support equipment, including autopilot and stabilization system (Code FWGS-631)	Mr. E. Moses, Ext. 64314
Ship Missile Program Division	Naval Air Engineering Facility (S1) Philadelphia, Pennsylvania Telephone: HOward 5-1000 Mr. A. Kowalczyk, Ext. 3833
Weapons Division (Code EL-12)	Naval Air Development Center Johnsville, Pennsylvania Telephone: OSborne 5-7000 Mr. G. Duval, Ext. 215 or 452 Mr. John W. Houser, Ext. 452 or 223
Amphibious vehicles (Code 529)	Bureau of Ships Washington 25, D. C. Mr. R. M. Alexander, Ext. 63415
Automotive vehicles, general types (Code 632)	Mr. V. M. Remigailo, Ext. 65474
Bearings, all types	Engineering Experiment Station Annapolis, Maryland Telephone: COLonial 3-2611 Mr. Watt Smith, Ext. 1437
Automotive vehicles, general types (Code D-230)	Bureau of Yards and Docks Washington 25, D. C. Mr. R. H. Welles, Ext. 77334

Air Force

<u>Subject</u>	<u>Contact</u>
	Aeronautical Accessories Laboratories Wright Air Development Center Air Research and Development Command, USAF Wright-Patterson Air Force Base, Ohio Telephone: Clearwater 3-7111 Col. W. L. Leverette, Chief, Ext. 23212
<u>Enviromental Control Branch (WCLEMA)</u>	
Air conditioning: ground air-cooling Mr. F. R. Ebersbach, Ext. 20214 or 25184 and heating equipment	
<u>Ground Support Equipment Division (WCLERCC)</u>	
Checkout equipment, electronic: integrated test equipment, auto- matic programmer-comparator equipment applicable to automatic checkout of weapon systems and automatic countdown and launch control of missiles	Mr. F. Micka, Ext. 25214 or 34243
<u>Application Engineering Branch (WCLEPE)</u>	
Electrical and pneumatic power: ground electrical power-generation and control equipment; gas-turbine compressors and packette engines	Mr. P. R. Klender Ext. 27248 or 34237
<u>Ground Support Equipment Division (WCLERSM)</u>	
Hydraulic power: systems and com- ponents, hydraulic test sets; fluid servicing equipment	Mr. J. W. Parker Ext. 26222 or 37208
<u>Ground Support Equipment Division (WCLERCA)</u>	
Support equipment, ground: propelled and towable cargo- and/or com- ponents-handling transportation equipment; access and maintenance stands, preventative and protective maintenance equipment; liquid and gaseous generative, transporting and dispensing servicing equipment; base equipment including portable shelters, airport fire-prevention and -fighting facilities, snow plows and runway sweepers and illuminating facilities	Mr. E. M. Kaminski Ext. 25109 or 33187
<u>Material Research Area</u>	
Lubricants and hydraulic equipment: polymers, rubbers, plastics; textiles, metals, protective coat- ings and cleaners	Lt. Col. H. E. Hamlin Ext. 36251

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